

Residential Structural Design Information

This information applies **only to structures conforming to the prescriptive criteria** set forth in the 2012 International Residential Code. If the structure does not meet all of the IRC requirements, an engineered design conforming to the 2012 International Building Code must be prepared by a Washington State Professional Engineer.

Wind: 105 mph, 3 second gust, exposure "B"

Any structure designed outside of IRC prescriptive requirements are required to be designed using IBC ultimate design criteria for wind loading.

Soil: 1500 psf bearing

Frost depth: 12"

Minimum roof snow load: 25 psf – minimum roof load – non reducible

Ground snow: 30 psf – drift calculations as required

All other loading is per the 2012 International Residential Code and as adopted by Washington State and Clark County Code.

Seismic zone: D1

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For an alternate format,
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